

Notice of Allowability

Application No.

09/436,870

Applicant(s)

YOSHINO ET AL.

Examiner

Christopher Onuaku

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2621

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendments filed 3/13/06.
2. ☒ The allowed claim(s) is/are 21&22 (now renumbered 1,2, respectively).
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

Allowable Subject Matter

1. Claims 21&22 are allowable over the prior art of record.
2. The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 21, the invention relates to a video server, including a data recorder-reproducer, a bit map data processing method, control program processing method and setting data processing method of the data recorder-reproducer.

The closest references Morioka et al (US 6,324,334) disclose an apparatus for recording and reproducing data representing video, data representing sound, and other auxiliary data onto/from a disk medium, a tape medium, or a recording/reproducing apparatus which can effectively perform an editing operation and establish a network connected with an external system, Pont et al (US 6,014,170) teach an information processing apparatus that is connectable to other electronics units so as to form a system to apply specified processing to main image data, sub-image data, and audio data input from the electronic units, and an information processing method therefor, Lubbers et al (US 5,774,643) teach Redundant Arrays of Independent Disks (RAID) architecture and systems, including methods and apparatus for enhancing RAID write hole protection and recovery from system failures which would normally leave a "write

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hole", and Bealkowski et al (US 5,826,075) teach personal computer systems, including an arrangement for storing system firmware.

However, Morioka et al, Pont et al, Lubbers et al and Bealkowski et al fail to explicitly disclose a video server for internally superimposing bit map data on audio-visual data, where the server further comprises a plurality of recording media in a RAID (redundant Array of Inexpensive Discs) configuration including interpolation means for restoring lost audio-visual data by using stored parity data and remaining audio-visual data, integral mixing means for internally superimposing the bit map data on the audio-visual data within the video server, and setting changing means for changing settings of the video server based on the setting data received by the interface means.

Regarding claim 22, the invention relates to a video server, including a data recorder-reproducer, a bit map data processing method, control program processing method and setting data processing method of the data recorder-reproducer.

The closest references Morioka et al (US 6,324,334) disclose an apparatus for recording and reproducing data representing video, data representing sound, and other auxiliary data onto/from a disk medium, a tape medium, or a recording/reproducing apparatus which can effectively perform an editing operation and establish a network connected with an external system, Pont et al (US 6,014,170) teach an information processing apparatus that is connectable to other electronics units so as to form a system to apply specified processing to main image data, sub-image data, and audio data input from the electronic units, and an information processing method therefor,

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Lubbers et al (US 5,774,643) teach Redundant Arrays of Independent Disks (RAID) architecture and systems, including methods and apparatus for enhancing RAID write hole protection and recovery from system failures which would normally leave a "write hole", and Bealkowski et al (US 5,826,075) teach personal computer systems, including an arrangement for storing system firmware.

However, Morioka et al, Pont et al, Lubbers et al and Bealkowski et al fail to explicitly disclose a method for internally superimposing bit map data on audio-visual data for use in a video with a plurality of recording media in a RAID (redundant Array of Inexpensive Discs) configuration, where the method further comprises interpolating lost audio-visual data by using stored parity data and remaining audio-visual data, superimposing the bit map data on the audio-visual data within the video server using integral mixer, and changing settings of the video server based on the setting data received in the step of receiving bit map data, a control program, and setting data externally supplied from a network or a memory card through an interface.

Conclusion

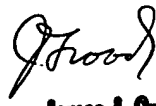
3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher Onuaku whose telephone number is 571-272-7379. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Groody can be reached on 571-272-7950. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


COO
5/3/06.


James J. Groody
Supervisory Patent Examiner
Art Unit 262 2621